

## NEXT GENERATION UV LED SOURCES for SECURE NDT without compromises

# UVE 365 H2-24 FLOOD HAND LAMP

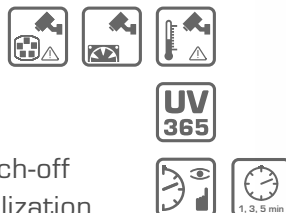
### Extreme Uniform and Large Beam With Soft Drop-Off To the Edges

- secure, easy, fast and fatigue-proof **DETECTION**
- full orientation allover the inspection area
- optimal support of central AND peripheral vision
- short minimum working distance
- extreme uniform also while moving the lamp



### Secure and Reliable Inspection

- electronic UV LED monitoring
- system health monitoring with auto-switch-off in case of failure
- 365nm  $\pm$  5nm peak always during operation
- monitored active fan cooling with security switch-off
- integrated, programmable adaption time signalization



### Optimized Interpretation by Automatic Stepless White Light Dimming

- uninterrupted observation of the indication
- white light in addition to UV
- crossfade between UV and white light
- in-use adjustable white light output
- high quality white light (5.700 K, CRI: Ra  $\geq$  90)



4 hours battery life

### Dual Power (Battery and Mains)



### Full Qualification (Also for Battery Operation)

- Airbus AITM 6-1001 (Issue 11)
- ASTM E-3022
- ISO 3059: 2012
- NADCAP AC7114/1 + AC7114/2
- Pratt & Whitney FPM Master
- Rolls-Royce RRES 90061
- The Boeing Company



### Maximum Investment Security

- ready for upcoming standards
- upgrade possibilities
- modular design
- high quality and maximum life-time



### Designed and Made in Germany by NDT Experts for NDT professionals



\* The lamps of the UVE series are equipped with electronic UV LED monitoring that switches the UV automatically off in case of an electrical failure of the UV LEDs or the LED driver to ensure correct function within narrow limits during the operation of the UV

| 100W Mercury Vapour Lamps                                                           |                                                                                                                                                                                                                                                                                                                                                           |                   |                           | Beam Pattern in 38 cm (15 in.) distance    |                                            |                                         |                                         |                                               | Integrated White Light Features                   |                                      |                                    |                                        |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---------------------------|--------------------------------------------|--------------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------------|---------------------------------------------------|--------------------------------------|------------------------------------|----------------------------------------|
| Series                                                                              | Lamp Model                                                                                                                                                                                                                                                                                                                                                | Bulb<br>-<br>LEDs | Intensity                 | Beam size<br>≥ 1.200 µW/cm²<br>(≥ 12 W/m²) | Beam area<br>≥ 1.200 µW/cm²<br>(≥ 12 W/m²) | Beam size<br>≥ 100 µW/cm²<br>(≥ 1 W/m²) | Beam area<br>≥ 100 µW/cm²<br>(≥ 1 W/m²) | Minimum<br>Working Distance<br>(uniform beam) | Minimum<br>Working Distance<br>(acc. Rolls-Royce) | Automatic<br>Stepless<br>White Light | White light<br>additional to<br>UV | White light<br>toggling /<br>Crossfade |
| Unwritten<br>Standard                                                               | new bulb                                                                                                                                                                                                                                                                                                                                                  | 1                 | 5.500 µW/cm²<br>(55 W/m²) | ø 12 cm<br>(ø 4,5 in.)                     | 110 cm²<br>(17 sqin)                       | ø 48 cm<br>(ø 19,0 in.)                 | 2.100 cm²<br>(320 sqin)                 | 0 cm                                          | 43 cm<br>(17,0 in.)                               | n.a.                                 | n.a.                               | n.a.                                   |
|                                                                                     | H2-24 W FL                                                                                                                                                                                                                                                                                                                                                | 8 ea.             | 3.200 µW/cm²<br>(32 W/m²) | ø 25 cm<br>(ø 10,0 in.)                    | 490 cm²<br>(75 sqin)                       | ø 70 cm<br>(ø 27,5 in.)                 | 3.900 cm²<br>(600 sqin)                 | 8 cm<br>(3,0 in.)                             | 30 cm<br>(12,0 in.)                               | ✓                                    | ✓                                  | ✓                                      |
|                                                                                     | H2-24 FL                                                                                                                                                                                                                                                                                                                                                  | 8 ea.             |                           |                                            |                                            |                                         |                                         |                                               |                                                   | -                                    | -                                  | -                                      |
|  | Very Large and Uniform Floods With Soft Drop-Off to the Edges for Optimal Support of Central AND Peripheral Vision<br>NO Tunnelview for Secure, Easy, Fast and Fatigue-Proof Detection of Indications, Full Orientation Allow the Inspection Area<br>Clear Observation, Extra Short Minimum Working Distances, Extreme Uniform Also While Moving the Lamp |                   |                           |                                            |                                            |                                         |                                         |                                               |                                                   |                                      |                                    |                                        |
|  | Integrated Automatic<br>Adaption Time Signalization<br>(Preadjustable 1, 3 or 5 Minutes)                                                                                                                                                                                                                                                                  |                   |                           |                                            |                                            |                                         |                                         |                                               |                                                   |                                      |                                    |                                        |
|  | Electronic UV-LED and System Health Monitoring<br>for Reliable Inspection and<br>Maximum Process Security                                                                                                                                                                                                                                                 |                   |                           |                                            |                                            |                                         |                                         |                                               |                                                   |                                      |                                    |                                        |
|  | ECO-Mode for Maximum Life-Time and<br>Power-Savings<br>(Auto Switch-Off When Not Used)                                                                                                                                                                                                                                                                    |                   |                           |                                            |                                            |                                         |                                         |                                               |                                                   |                                      |                                    |                                        |
|  | Handlamps Fully Qualified for<br>Mains And Battery Operation                                                                                                                                                                                                                                                                                              |                   |                           |                                            |                                            |                                         |                                         |                                               |                                                   |                                      |                                    |                                        |

Technical and optical modifications are reserved by SECUCHEK GmbH - Rev. 7144005

## Optional Accessories

Extra Robust Metal Cased  
Power Supply



Foot-Paddles for Hands-Free  
Operation of the White Light



Momentary-Switch /  
Latching-Switch



Foot-Dimmer



UV Protection Glasses  
Optimized for Usage in Darkness



UV400 / no micro reflections



Robust Carrying Case



Extension Cords  
straight / coiled retractable



5m (16ft)  
10m (32ft)  
0,75m - 2,5m (2ft - 8ft)  
1,5m - 5m (4ft - 16ft)



Stationary  
Mounting Equipment



High Power Rechargeable  
Lilon Battery Pack



4 hours battery life